

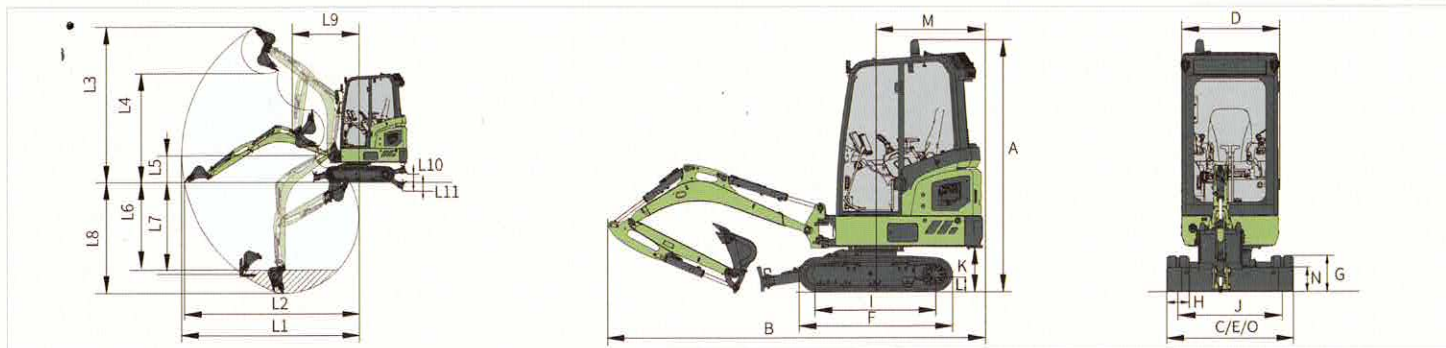
XE19EV

Electric Hydraulic Excavator



- Operating mass (kg): 2250
- Bucket capacity (m³): 0.04
- Rated power (kW): 12

- The XE19EV electric excavator adopts a 51.52V low-voltage platform and is equipped with a 33 kW-h lithium iron phosphate battery for higher safety.
- The whole machine has the advantages of zero emission, low vibration, and low noise. Deflectable boom and retracted undercarriage makes it more adaptable for various working conditions.
- It is equipped with AUX1 and AUX2 pipelines and electric proportional joysticks as standard with a variety of attachments to meet the needs of trenching, silting, drilling, tree planting and other working conditions.
- It is suitable for vegetable greenhouses, landscaping, indoor demolition, and other scenarios.



Technical Specification

Item contents	Unit	Parameters
Operating mass	kg	2250
Electric motor		
Electric motor type	-	Permanent magnet synchronous motor
Rated power	kW	12
Maximum torque	N·m	110
Insulation class	-	H
Cooling method	-	Natural cooling
Battery pack		
Battery type	-	Lithium Iron Phosphate
Battery voltage	V	51.52
Battery capacity	kWh	33
Standard charging time	h	11.5
Fast charging time	h	3
Operating time	h	5-7
Heating method	-	Heating film
Cooling method	-	Liquid cooling
Main performance		
Travel speed (high/low)	km/h	4.0/2.5
Swing speed	r/min	9
Maximum swing torque	kN·m	2
Gradeability	-	30° (58%)
Ground contact pressure	kPa	33
Bucket digging force (ISO)	kN	16
Arm digging force (ISO)	kN	10
Maximum traction force	kN	19
Hydraulic system		
Main pump	-	1× Variable displacement pump
Maximum flow rate of main system	L/min	64.4
Main system pressure	MPa	25.3
Pilot system pressure	MPa	3.5
Traveling system pressure	MPa	25.3
Swing system pressure	MPa	11
Track		
Standard track shoe width	mm	230
Number of track rollers (per side)	-	3
Number of track carrier rollers (carrier plate)(per side)	-	2
Cab standard		
ISO 10262: 1998 (OPG)	-	√
ISO 12117-2: 2008 (ROPS)	-	√
ISO 12117: 1997 (TOPS)	-	√

Item contents	Unit	Parameters
Dimensions		
A Overall height	mm	2590
B Overall length	mm	3860
C Overall width	mm	990/1300
D Upper structure width	mm	990
E Undercarriage width (extended/retracted)	mm	990/1300
F Track length	mm	1580
G Track height	mm	346
H Standard track shoe width	mm	230
I Crawler base	mm	1230
J Track gauge (extended/retracted)	mm	760/1070
K Counterweight ground clearance	mm	457
L Minimum ground clearance	mm	148
M Rear-end swing radius	mm	1100
N Dozer blade height	mm	250
O Dozer blade width (unfolded/folded)	mm	990/1300
Working range		
L1 Maximum reach	mm	4120
L2 Maximum reach at GRP	mm	4070
L3 Maximum digging height	mm	3620
L4 Maximum dumping height	mm	2560
L5 Minimum unloading height	mm	630
L6 Digging depth at 8 feet floor length	mm	2045
L7 Maximum vertical digging depth	mm	2140
L8 Maximum digging depth	mm	2580
L9 Minimum swing radius	mm	1520
L10 Maximum lifting height of dozer blade	mm	235
L11 Maximum cutting depth of dozer blade	mm	270
Boom deflection angle (left)	°	75
Boom deflection angle (right)	°	60
Fluid Capacity		
Hydraulic oil tank capacity	L	18
Standard		
Length of boom	mm	1810
Length of arm	mm	1190
Bucket capacity	m ³	0.04
Optional		
Length of boom	mm	-
Length of arm	mm	-
Bucket capacity	m ³	0.013/0.032 <small>(with 1.5m boom) 0.06 <small>(with 2.0m boom)</small></small>

Ref. NE/BC/EU/CAB/19/English/2025-10/01

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